First and Final bill

Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184233

Name of Improvements to Roads, Drains, and Asphalting to Road from Muneshwara Temple, Singapura LLO in WNo. 11.

Name of Contractor or nature of Agency... Sri. Aswathnarayana, Tallahalli Village, B'lore-13.

Date of commencement of work... 16/01/20

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
Estimate cost:	Rs. 24.75 lakhs					
SOR code:	011-20-000 011 P-0541					
Work order:	BBMP/EE/BTP/WO/42/19-20 Dt:					19-10-2019.
Date of Recordy:						
1) Earth work excavation by manual means in ordy soil involving cen average horizontal throw upto 2m and cen average lift upto 0.5m excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	after breaking & clods etc complete as per specification duly as per pre measurement Recorded in the page No. 18 & 28 & this MB is					403.11 m³	
					@Rs. 243.00/m³		97956=00
2)	providing and laying in position plain cement concrete of mix 1:4:8 with ope cement @ 180 kgs with hoggy and clean size graded granite coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation including cost of materials, labours, HOM of machine curing etc complete as per specification						

Contents	Reference to last Measurement
7	8
...relation ...cted ...B is 403.11 m³	
³	97956=00
...oncrete ...and ...and ...ial in ...foundation ...etc	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184234

..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty as per pre measurement Recorded vide page No. 184229 of this MB is					26.73 m³	
				CR. 4500.00	m³		120285=00
23	Providing and laying cement concrete mix 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing main beam and secondary beams with all lead and lift etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	From Singapura main Road to Munneswara Temple w/s	1	30.00	1.10	0.15	4.95	
	Bottom concrete	1	20.00	1.10	0.15	3.30	
		1	30.00	1.10	0.15	4.95	
		1	23.00	1.10	0.15	3.80	
	F/s	1	30.00	1.10	0.15	4.95	
		1	27.70	1.10	0.15	4.57	
		1	7.10	1.20	0.15	1.28	
	Side walls w/s	2	30.00	0.15	0.60	5.40	
		2	20.00	0.15	0.60	3.60	
		2	30.00	0.15	0.70	6.30	
		2	23.00	0.15	0.60	4.14	
		2	30.00	0.15	0.70	6.30	
		2	27.70	0.15	0.70	5.82	

Contents	Reference to last Measurement
7	8
·95	
3·30	
·95	
·80	
·95	
·57	
28	
40	
60	
30	
44	
30	
82	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184235

..... From ..... To .....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Page 1	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
		2	7.10	0.15	0.70	1.49	
						60.874 m³	
				Adj limited to		60.75 m³	
				@ Rs. 5300.00/m³			321975=00
	Providing and removing centering, shuttering, shutting-propping etc complete as per specification.			work for vertical surface such as walls of any thickness including attached pilasters buttresses plinth sills and string courses cost of all materials labours			

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Mehuld
Assistant Executive Engineer
Vijayanagarapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty as per premeasurement Recorded vide page No. 184229 & this MB is					453.60 m²	
				@Rs. 379.00/m²			171914=00
5)	providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position lapping, and/or welding, wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (lap, hooks and wastage shall not be measured and paid) cost of materials labour HOM & machine complete as per specification						
	Qty as per premeasurement Recorded						

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ent Recorded		
this MB is		
	453.60 m²	
79.00/m²		171914·00
work including		
in position		
lying with		
members		
ps, hooks and		
ost of materials		
fication		
k Recorded		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184236

..... From ..... To .....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Full description, etc, of work 2	Number 3	Dimensions: Length 4	Dimensions: Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
vide page No. 184230 & this MB in					3.65 Tonnes	
					@Rs. 75223.00/Tonne	
						274564·00
Providing precast slabs of 100 mm thick including cost of all materials labours, curing, transportation loading unloading etc complete as per specification.						
From Singapura main Road to Muneshwara Temple	1	30·00	0·90	-	27·00	
	1	20·00	0·90	-	18·00	
	1	30·00	0·90	-	27·00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	23.00	0.90	-	20.70	
		1	30.00	0.90	-	27.00	
		1	27.70	0.90	-	24.93	
		1	7.10	1.20	-	8.52	
						153.15 m²	
				Qty limited to		145.80 m²	
				@Rs. 1500.00/m²			218700.00
	7) providing and laying, spreading and compacting crushed stone aggregates of Granite / trap / basalt to wet mix macadam specification including premixing the materials with water at OMC in mechanical mix plant carriage & mixed material & tipper to site laying in uniform layers with paver in sub						16/01

OOK

Depth 6	Contents 7	Reference to last Measurement 8
-	20.20	
-	27.00	
-	24.93	
-	8.52	
	153.15 m²	
illed to	145.80 m²	
		218700=00
500.00	m²	
		16/01/20
lling crushed		
et mix worked		
ith water		
mixed method		
th power mi sweep		

M. A. R. 57 (Rule 116)
Measurement Book

No. B184237

..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Base / base course on well prepared surface and compact with vibratory roller to achieve the desired density etc complete as per specification						
Qty as per pre measurement Recorded vide page no. 184230 (1) of this BUB is					180.00 m³	
@ Rs. 1800.00/m³						324000=00
Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WBM including cleaning of road surface and spraying						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	primer at the rate of 0·60 kg/sqm by mechanical means to complete as per specification @ as per premeasurement Recorded vide page no. 184231 of this Basis					720·00 m²	
						@Rs. 36·00/m²	25920=00
9)	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F E loader hot mixing of stone aggregates and bitumen in hot mix plant transporting the mixed materials in tipper to paver and laying mixed materials with paver finisher						

OK

Depth 6	Contents 7	Reference to last Measurement 8
anical means		
recorded		
s MB is		
	720.00 m²	
00/m²		25920=00
ou prepared		
ecessin wire		
g aggregates		
and bitumen		
h ri tipper		
er finisher		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184238

..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work 2	Number 3	Dimensions: Length 4	Dimensions: Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
to its required level and grade rolling by power roller to achieve the desired density but excluding cost of prime/ tack coat including leveling, lift and cost of all materials labour tools & material etc complete as per specification.						
Qty as per pre measurement Recorded in this page No. 184231 (1) & this MB is					36.00 m³	
					Qty. 5551=00 m³	199836=00
16) Cleaning the existing black topped surface with brooms soft brushes and finally cleaning with old gunny bags						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and/or compressed air to receive bituminous treatment including cost of all materials, labours T&M & machinery etc complete as per specification						
	as per premeasurement Recorded vide page No. 184 & 232 of this MB is						
						720.00 m²	
	@ Rs. 10.00 / m²						7200.00
(i)	providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg/per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labours, T&M & machinery as complete						

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
bituminous			
nical laboratory from			
ratory			
rement Recorded			
2 of this MB is			
		720.00 m²	
Rs. 10.00 / m²			7200=00
ing 80/100 grade			
topped surfaces			
in boiler fitted with			
surface) including			
thing as complete			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184239

..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
2	3	4	5	6	7	8
	Qty vide Item No. (10) is		Rs. 14.00 / m²		720.00 m²	10080=00
Providing and laying bituminous concrete 40 mm thick with hot mix plant using crushed aggregates of specified grading premixed with bituminous binder and filler transportation to hot mix to work site laying with a paver finisher to the required grade, level and alignment rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per specification in all respects.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	From Singapura main Road to Muneshwara Temple	1	30.00	(5.9+6.0)	0.04	7.14	
		1	20.00	6.00	0.04	4.80	
		1	30.00	(6.2+6.0)	0.04	7.32	
		1	27.70	(6.0+6.1)	0.04	6.70	
		1	15.00	(4.7+4.8)	0.04	2.85	
						28.80 cum	
				@Rs 7911.00/cum			227837=00
					Total		2000267=00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
6	0.04	7.14	
	0.04	4.80	
6	0.04	7.32	
1	0.04	6.20	
8	0.04	2.85	
		28.80 cum	
			227837=00
	Total		2000267=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184240

..... From ..... To .....

Name of nature of Agency.....

Date of commencement of work.....

Full description, etc, of work 2	Number 3	Dimensions: Length 4	Dimensions: Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				GST @ 12%		240032=00
				Grand Total		2240299=00

31/01/20

Certificate:

1. Certified that the above work is executed satisfactorily
2. There is no claim from contractor pertaining to the BBMP work.
3. Contractor has cleared all debris from the work spot.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

28/1/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

31/01/20

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

2/2/2020